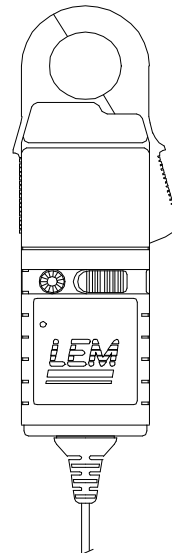
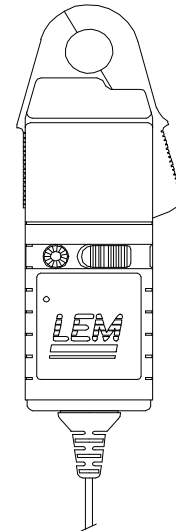


**High Performance AC/DC Oscilloscope Probes*****Accurate, Versatile, Reliable***

- *AC and DC current measurement from 10mA to 1000A*
- *Three models*
  - PR30 - 30A, 100kHz*
  - PR430 - 400A, 20kHz*
  - PR1030 - 1000A, 20kHz*
- *BNC termination for oscilloscope users*
- *Broad bandwidth and low phase shift for power and harmonics measurement*
- *Superior noise rejection for power electronics applications*
- *IEC1010 Cat III for enhanced safety in hazardous voltage areas*



# PR30 Series

## SPECIFICATION

Model	PR30	PR430	PR1030
Ranges	30A Peak	40A, 400A Peak	100A, 1000A peak
Resolution	± 1mA	± 10mA, 100mA	± 100mA
Accuracy	± (1%+2mA)	± (1%+30mA), (1%+ 300mA)	± (1%+ 500mA)
Output	100mV/A	10mV/A, 1mV/A	10mV/A, 1mV/A
Frequency range	DC to 100kHz (-0.5dB)	DC to 20kHz (-2.0dB)	DC to 20kHz (-2.0dB)
Phase Shift below 1kHz	< 2°	< 2°	< 2°
Maximum conductor diameter	19mm	19mm	31mm
Maximum overload	500A	4,000A	10,000A

### MECHANICAL DATA

Dimensions (H x W x D)	PR30/430 - 251 x 98 x 52 mm PR1030 - 196 x 71 x 31mm
Weight	PR30/430 - 250 gm PR1030 - 300gm
Jaw Capacity	PR30/430 - 19mm Ø PR1030 - 31mm Ø

### POWER SUPPLY

Battery Type	9 V Alkaline: MN1604, PP3, IEC 6LR61 or equivalent
Battery Life	PR30 - 30 hours PR430/1030 - 50 hours

### Notes:

All accuracies stated at 23°C ± 1 °C (73.4 ± 1.8 °F)

### ENVIRONMENTAL DATA

Operating Temperature	0 °C to 50 °C (40 °F to 122 °F)
Temperature Coefficient	PR30 ± 0.01 % of rdg/ °C PR430/1030 ± 0.1 % of rdg/ °C
Storage Temperature	-20° to 60 °C (-4 °F to 140 °F)

### SAFETY

All models comply with IEC1010-1, 300V working, Installation category III, Pollution degree 2.

### MAXIMUM SAFE VOLTAGES

Current measurement (bare conductors)	300V AC RMS or DC between uninsulated conductor & ground
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### LEM

The LEM group offer a wide range of non-invasive transducers, probes and instrumentation for the measurement and analysis of current, voltage and power.

Since the introduction of the world's first digital AC/DC clamp-on ammeter in 1982, LEM HEME has continued to provide innovative test and measurement solutions encompassing current measurement from 5mA to 2,000A

Distributor



**LEM HEME Limited**, 1 Penketh Place, West Pimbo, Skelmersdale, Lancs, United Kingdom. WN8 9QX

Telephone 01695 720535; Fax 01695 50279

Telex 629792 HEME G

International: Tel +44 1695 720535; Fax +44 1695 50279

LEM Subsidiaries: Austria, Belgium, China, France, Germany, Japan, Netherlands, Russia, Switzerland, USA

LEM HEME Limited have a policy of continual product improvement, and the company reserves the right to revise the above specifications without notice.